	Application No.	Applicant(s)
Notice of Allowability	10/006,903	SENDONAIS, ANDREW
	Examiner	Art Unit
	Emmanuel Bayard	2638
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIG	ears on the cover sheet with the (OR REMAINS) CLOSED in this a or other appropriate communicati GHTS. This application is subject and MPEP 1308.	e correspondence address application. If not included
1. This communication is responsive to communication filed o	<u>on 1/6/06</u> .	
2. The allowed claim(s) is/are 1,3-25 and 27-31.		
 Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a repl ENT of this application.	ly complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.1 each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawne header according to 37 CFR 1.12	wings in the front (not the back) of 1(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summar Paper No./Mail D 8), 7. ☐ Examiner's Amend	Pate .

DETAILED ACTION

This is in response to amendment filed on 1/6/06 in which claims 1, 3-25 and 27-31 are pending. The applicant's amendments have been fully considered therefore this case is in condition for allowance. In addition the pending claims have been renumbered as 1-29 respectively.

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance: the prior arts of record fail to anticipate or render obvious the following recited features: using both the pilot symbols and the non-pilot symbols for frequency tracking of the first wireless signal as recited in claims 1, 21-22. A feedback loop to the rotator that provides an estimate of a frequency error associated with the signal, wherein the feedback loop generates the estimate of the frequency error using pilot and non-pilot symbols as recited in claim 23. A frequency discriminator coupled to the soft decision generator that calculates residual frequency error estimates using the pilot symbols and the soft decisions as recited in claim 30.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Wang U.S Pub No 20030053528 A1 teaches a coherent combining/non-coherent detection.

Subramanian et al U.S. Pub No 20020018518 A1 teaches a generic finger.

Balterse et al U.S. Pub No 20010014114 A1 teaches an adaptive code-tracking receiver.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emmanuel Bayard whose telephone number is 571 272 3016. The examiner can normally be reached on Monday-Friday (7:Am-4:30PM) Alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammed Ghayour can be reached on 571 272 3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Emmanuel Bayard Primary Examiner Art Unit 2638

3/10/06

EMMANUEL BAYARD